Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of May 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of May 2007.

Communicable Diseases

In total, there were **352** new infections occurring across 26 communicable diseases** (excluding sexually transmitted infections and HIV) in May 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of 141 cases of MRSA with the expected range of 0-131 cases, two cases of Bacterial Meningitis – Pneum with the expected range of 0-1 cases and one case of Hanta virus with the expected range of 0-0 case. Similarly, some more cases out of their expected ranges were also observed during this month. These included three cases of mumps with the expected range of 0-1 cases, two cases of Shigellosis with the expected range of 0-1 cases and four cases of Strongyloides with the expected range of 0-1 cases. The expected number of cases and accompanying range is based on the number of cases during April, May and June 2002-2006.

Both MRSA and Clostridium difficile accounted for 63% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The C. difficile tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **493** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in May: 361 cases of chlamydia (Ct), 72 cases of gonorrhoea (GC), 53 GC-Ct co-infections, and 7 cases of syphilis. The 44% of all GC and Ct cases in the province were reported among females of age group 15-24 years. Less than half of all GC and Ct cases (46%) were reported for individuals living in the Winnipeg health region, and an additional 24% were from the Burntwood health region. In addition, a case of Lymphogranuloma Venereum (LGV) was also reported during this month in Manitoba (not shown in the table).

In May, 38 individuals tested positive for hepatitis C virus in Manitoba, and 61% of them were reported from the Winnipeg health region. About 53% of all HCV positive cases were in the 40-59 years age groups, while 32% of total HCV cases were reported in the age group of 30-39 years. Five Manitobans (including one nominal case which is not mentioned in the table), three males and two females tested positive for HIV in May 2007.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)
Leishmaniasis – unspecified (ICD9: 085.9)
Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
Schistosomiasis (ICD9: 120)
Streptococcus pneumoniae – other site (ICD9: 041.2)
Strongyloides (ICD9: 127.2)
Vancomycin resistant enterococci (VRE)
Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Please feel free in contacting me should you have any questions about this report.

Thanking you

Dr. Suresh Khatkar
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR May 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	3	5	3	0-7	17	22
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS		1	0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER		1	0	0-1		1
320.1	BAC. MENINGITIS - PNEUM		2	0	0-1	1	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		1		***		10
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1		1	0-3	3	1
008.43	CAMPYLOBACTER	8	19	19	1-37	63	69
558.2	CLOSTRIDIUM DIFFICILE	101	82		***	535	476
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	1	2	0-5	9	9
061.0	DENGUE FEVER			0	0-0	2	2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP	1	1	0	0-1	3	1
008.0	E. COLI-VEROTOXIGENIC	9	2	7	0-17	23	8
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-1		
007.1	GIARDIA LAMBLIA	9	8	10	4-16	46	36
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)		3		***		7
480.8	HANTA VIRUS		1	0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	2	3	3	0-11	6	5
070.3	HEPATITIS B			1	0-2	3	2
070.51	HEPATITIS C	29	38	37	18-56	113	150
054.8	HERPES-W-UNSPEC COMPL			0	0-0	4	
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	1	
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	1	
088.81	LYME DISEASE			0	0-2		
084	MALARIA	2	5	2	0-6	4	7
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	99	141	60	0-131	549	745
072.9	MUMPS		3	0	0-1		3
036.89	N.MENINGITIDIS OTHER			0	0-1	2	3
728.86	NECROTIZING FASCIITIS		1	1	0-4	4	1
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	2	2	3	0-8	5	5
038.2	PNEUM. SEPTICEMIA	11	8	8	1-15	53	36
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA			0	0-0		1
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4		1
003.0	SALMONELLA	15	11	14	5-23	68	94
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		2	0	0-1	4	6
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			1	0-3		1
127.2	STRONGYLOIDES	1	4	0	0-1	1	10
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	2		2	0-5	15	6
011	TUBERCULOSIS - RESP.	9	3	8	4-12	41	31
010	TUBERCULOSIS-PRIM.			2	0-6	12	3
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	7	4		***	22	22
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO	3		1	0-4	5	
047.8	VIRAL MENINGITIS-ENTERO				***	1	
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-0		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	1		1	0-3	7	5
		318	**352**			**1625**	**1857**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR May 2007

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
006.9	AMEBIASIS													2						1		1			1				5
005.8	B. CEREUS				1																								1
320.9	BAC. MENINGITIS - OTHER									1																			1
320.1	BAC. MENINGITIS - PNEUM																			1					1				2
116.0	BLASTOMYCOSIS															1													1
008.43	CAMPYLOBACTER		1							1		1	2					3	3		4	3	1						19
558.2	CLOSTRIDIUM DIFFICILE	1		2						1	2	1		3	1	2	2	4	2	4	1	6	2	12	10	20	6		82
007.8	CRYPTOSPORIDIOSIS										1																		1
123.4	DIPHYLLOBOTHRIUM																	1											1
008.0	E.COLI 0157											1												1					2
007.1	GIARDIA LAMBLIA				3		2												1		1					1			8
041.59	HAEM. INFLUENZAE (non-B)		2																					1					3
480.8	HANTA VIRUS															1													1
070.1	HEPATITIS A										1							1						1					3
070.51	HEPATITIS C												1	1	2	1	11	4	8	4	4		1					1	38
084	MALARIA			1				2			1							1											5
B95.6	MRSA	3		5	10	5	8	2	1	4	4	2	1	5	2	6	11	5	5	5	7	4	12	6	4	11	13		141
072.9	MUMPS												2		1														3
728.86	NECROTIZING FASCIITIS																1												1
033.0	PERTUSSIS		1									1																	2
003.0	SALMONELLA							2	2					1		1			1	1	1		1	1					11
004	SHIGELLOSIS		1									1																	2
038.2	STREP.PNEUMOCOCCAL SEPTIC			1								1	2			1				1	2								8
127.2	STRONGYLOIDIASIS											1	1			1					1								4
011	TUBERCULOSIS - RESP.										1	1												1					3
B96.8	VANCOMYCIN RES. ENTER.																			1		1		1			1		4

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
		4	5	9	14	5	10	6	3	7	10	10	9	12	6	13	26	19	20	18	21	15	17	24	16	32	20		352

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR May 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	5																					5
005.8	B. CEREUS	1																					1
320.9	BAC. MENINGITIS - OTHER	1																					1
320.1	BAC. MENINGITIS - PNEUM	1						1															2
116.0	BLASTOMYCOSIS	1																					1
008.43	CAMPYLOBACTER	8	3				2		1					2	3								19
558.2	CLOSTRIDIUM DIFFICILE	50	1		1		4	1	3		4		11		1		2	3	1				82
007.8	CRYPTOSPORIDIOSIS	1																					1
123.4	DIPHYLLOBOTHRIUM	1																					1
008.0	E.COLI 0157	2																					2
007.1	GIARDIA LAMBLIA	5							2		1												8
041.59	HAEM. INFLUENZAE (non-B)	1														1	1						3
480.8	HANTA VIRUS										1												1
070.1	HEPATITIS A	3																					3
070.51	HEPATITIS C	23	2		1		1	2	1		1		1		1				2		3		38
084	MALARIA	5																					5
B95.6	MRSA	61	5		1		1	1	4	1	1		3		2	4	4	48	4			1	141
072.9	MUMPS	3																					3
728.86	NECROTIZING FASCIITIS								1														1
033.0	PERTUSSIS	1																	1				2
003.0	SALMONELLA	7	1				1				1				1								11
004	SHIGELLOSIS	2																					2
038.2	STREP.PNEUMOCOCCAL SE PTIC	3		1					1								2	1					8
127.2	STRONGYLOIDIASIS	3									1												4
011	TUBERCULOSIS - RESP.			1														2					3
B96.8	VANCOMYCIN RES. ENTER.	3					1																4
		191	**12**	**2**	**3**		**10**	**5**	**13**	**1**	**10**		**15**	**2**	**8**	**5**	**9**	**54**	**8**		**3**	**1**	**352**
Missing Investigation Forms (Jan.1 to end of April)		88	4		2		6		5		1		15				2	3	3				129

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - May 2007

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2006**	**2007**	**2006**	**2007**
All Chlamydia Infections	284	414	1725	1933
All Gonorrhea Infections (including PRNG)	131	125	682	533
All Syphilis Infections	5	7	24	23
Gonorrhea & Chlamydia Co-infections	31	53	215	206
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	4	34	33

Total Number of STD Cases by Age and Gender - May 2007

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases							2	1	82	38	85	43	33	27	14	21	7	3		4		1						361
Gonorrhea Only Cases					1				11	7	11	10	4	5	6	9		1	2	4		1						72
Syphilis Only Cases												1		1	2	2				1								7
GC and CT Cases									13	12	11	4	6	2	3	1	1											53
					1		2	1	106	57	107	58	43	35	25	33	8	4	2	9		2						493
HIV											1			1	1	1												4

Regional STD Distribution - May 2007

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	180	21	8	10		11	4	20	1	19		6	2	8	4	20	72	26		1	1	414
All Gonorrhea Infections	54	3	5	1		3		4		5						6	33	11				125
All Syphilis Infections	7																					7
GC and CT Infections	13	2	3			2				4						5	20	4				53

Missing Investigation Forms (Jan.1 to end of April)	83	26	4	5		5	1	13		8		16	2	4	1	9	27	7		1		212

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction